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RAW SEQUENCE LISTING   DATE: 03/10/2003
PATENT APPLICATION: US/09/913,927C   TIME: 13:27:16

Input Set : A:\SEQLIST.txt
Output Set: N:\CRF4\03102003\I913927C.raw

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 4 <110> APPLICANT: Ulrich Schubert
 5        Peter Henklein
 6        Victor Wray
 8 <120> TITLE OF INVENTION: SYNTHETIC PEPTIDE OF REGULATORY VIRUS
 9        PROTEIN R (VPR) OF HUMAN IMMUNODEFICIENCY VIRUS TYPE 1
10        (HIV-1) AND THE UTILIZATION THEREOF
13 <130> FILE REFERENCE: 151.2USW0
15 <140> CURRENT APPLICATION NUMBER: 09/913,927C
16 <141> CURRENT FILING DATE: 2002-01-14
18 <150> PRIOR APPLICATION NUMBER: PCT/DE00/00525
19 <151> PRIOR FILING DATE: 2002-02-19
21 <150> PRIOR APPLICATION NUMBER: DE 199 08 752.0
22 <151> PRIOR FILING DATE: 1999-02-19
24 <150> PRIOR APPLICATION NUMBER: DE 199 08 766.0
25 <151> PRIOR FILING DATE: 1999-02-19
27 <160> NUMBER OF SEQ ID NOS: 11
29 <170> SOFTWARE: FastSEQ for Windows Version 4.0
31 <210> SEQ ID NO: 1
32 <211> LENGTH: 96
33 <212> TYPE: PRT
34 <213> ORGANISM: Artificial Sequence
36 <220> FEATURE:
37 <223> OTHER INFORMATION: Synthetic peptide of regulatory virus proteins R
38        (vpr) of human immunodeficiency virus type 1
39        (HIV-1)
41 <400> SEQUENCE: 1
42 Met Glu Gln Ala Pro Glu Asp Gln Gly Pro Gln Arg Glu Pro Tyr Asn
43  1               5                  10                  15
44 Glu Trp Thr Leu Glu Leu Leu Glu Glu Leu Lys Ser Glu Ala Val Arg
45              20                  25                  30
46 His Phe Pro Arg Ile Thr Leu His Asn Leu Gly Gln His Ile Tyr Glu
47          35                  40                  45
48 Thr Tyr Gly Asp Thr Trp Ala Gly Val Glu Ala Ile Ile Arg Ile Leu
49      50                  55                  60
50 Gln Gln Leu Leu Phe Ile His Phe Arg Ile Gly Cys Arg His Ser Arg
51 65                  70                  75                  80
52 Ile Gly Val Thr Arg Gln Arg Arg Ala Arg Asn Gly Ala Ser Arg Ser
53                  85                  90                  95
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57 <212> TYPE: PRT
58 <213> ORGANISM: Artificial Sequence
60 <220> FEATURE:
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61 <223> OTHER INFORMATION: Synthetic peptide of regulatory virus proteins R
62       (vpr) of human immunodeficiency virus type 1
63       (HIV-1)
65 <400> SEQUENCE: 2
66 Met Glu Gln Ala Pro Glu Asp Gln Gly Pro Gln Arg Glu Pro Tyr Asn
67 1               5                   10                  15
68 Glu Trp Thr Leu Glu Leu Leu Glu Glu Leu Lys Ser Glu Ala Val Arg
69               20                  25                  30
70 His Phe Pro Arg Ile Thr Leu His Asn Leu Gly Gln His Ile Tyr
71          35                  40                  45
73 <210> SEQ ID NO: 3
74 <211> LENGTH: 49
75 <212> TYPE: PRT
76 <213> ORGANISM: Artificial Sequence
78 <220> FEATURE:
79 <223> OTHER INFORMATION: Synthetic peptide of regulatory virus proteins R
80       (vpr) of human immunodeficiency virus type 1
81       (HIV-1)
83 <400> SEQUENCE: 3
84 Glu Thr Tyr Gly Asp Thr Trp Ala Gly Val Glu Ala Ile Ile Arg Ile
85 1               5                   10                  15
86 Leu Gln Gln Leu Leu Phe Ile His Phe Arg Ile Gly Cys Arg His Ser
87               20                  25                  30
88 Arg Ile Gly Val Thr Arg Gln Arg Arg Ala Arg Asn Gly Ala Ser Arg
89          35                  40                  45
90 Ser
93 <210> SEQ ID NO: 4
94 <211> LENGTH: 15
95 <212> TYPE: PRT
96 <213> ORGANISM: Artificial Sequence
98 <220> FEATURE:
99 <223> OTHER INFORMATION: Synthetic peptide of regulatory virus proteins R
100      (vpr) of human immunodeficiency virus type 1
101      (HIV-1)
103 <400> SEQUENCE: 4
104 Gln Arg Glu Pro Tyr Asn Glu Trp Thr Leu Glu Leu Leu Glu Glu
105 1               5                   10                  15
107 <210> SEQ ID NO: 5
108 <211> LENGTH: 15
109 <212> TYPE: PRT
110 <213> ORGANISM: Artificial Sequence
112 <220> FEATURE:
113 <223> OTHER INFORMATION: Synthetic peptide of regulatory virus proteins R
114      (vpr) of human immunodeficiency virus type 1
115      (HIV-1)
117 <400> SEQUENCE: 5
118 Asn Leu Gly Gln His Ile Tyr Glu Thr Tyr Gly Asp Thr Trp Ala
119 1               5                   10                  15
121 <210> SEQ ID NO: 6
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123 <212> TYPE: PRT
124 <213> ORGANISM: Artificial Sequence
126 <220> FEATURE:
127 <223> OTHER INFORMATION: Synthetic peptide of regulatory virus proteins R
128      (vpr) of human immunodeficiency virus type 1
129      (HIV-1)
131 <400> SEQUENCE: 6
132 Ile Tyr Glu Thr Tyr Gly Asp Thr Trp Ala Gly Val Glu Ala Ile
133 1               5                   10                  15
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136 <211> LENGTH: 15
137 <212> TYPE: PRT
138 <213> ORGANISM: Artificial Sequence
140 <220> FEATURE:
141 <223> OTHER INFORMATION: Synthetic peptide of regulatory virus proteins R
142      (vpr) of human immunodeficiency virus type 1
143      (HIV-1)
145 <400> SEQUENCE: 7
146 Gly Val Glu Ala Ile Ile Arg Ile Leu Gln Gln Leu Leu Phe Ile
147 1               5                   10                  15
149 <210> SEQ ID NO: 8
150 <211> LENGTH: 20
151 <212> TYPE: PRT
152 <213> ORGANISM: Artificial Sequence
154 <220> FEATURE:
155 <223> OTHER INFORMATION: Synthetic peptide of regulatory virus proteins R
156      (vpr) of human immunodeficiency virus type 1
157      (HIV-1)
159 <400> SEQUENCE: 8
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161 1               5                   10                  15
162 Glu Trp Thr Leu
163             20
165 <210> SEQ ID NO: 9
166 <211> LENGTH: 20
167 <212> TYPE: PRT
168 <213> ORGANISM: Artificial Sequence
170 <220> FEATURE:
171 <223> OTHER INFORMATION: Synthetic peptide of regulatory virus proteins R
172      (vpr) of human immunodeficiency virus type 1
173      (HIV-1)
175 <400> SEQUENCE: 9
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177 1               5                   10                  15
178 Ile Trp Leu His
179             20
181 <210> SEQ ID NO: 10
182 <211> LENGTH: 15
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183 <212> TYPE: PRT
184 <213> ORGANISM: Artificial Sequence
186 <220> FEATURE:
187 <223> OTHER INFORMATION: sVpr66-80
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191 1               5                   10                  15
193 <210> SEQ ID NO: 11
194 <211> LENGTH: 21
195 <212> TYPE: PRT
196 <213> ORGANISM: Artificial Sequence
198 <220> FEATURE:
199 <223> OTHER INFORMATION: sVpr76-96
201 <400> SEQUENCE: 11
202 Cys Arg His Ser Arg Ile Gly Val Thr Arg Gln Arg Arg Ala Arg Asn
203 1               5                   10                  15
204 Gly Ala Ser Arg Ser
205               20
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